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› Livpure PEP Star Water Purifier User Manual

Livpure PEP STAR 7 L RO + UV + UF + TDS

Livpure PEP Star Water Purifier User Manual

Model: PEP STAR 7 L RO + UV + UF + TDS

1. INTRODUCTION

The Livpure PEP Star Water Purifier is an advanced water purification system designed to provide clean, safe, and healthy drinking water. This appliance integrates RO (Reverse Osmosis), UV (Ultraviolet), UF (Ultra Filtration), and TE (Taste Enhancer) technologies to ensure comprehensive water treatment. This manual provides essential information for the proper installation, operation, and maintenance of your Livpure PEP Star Water Purifier.



Figure 1: Front view of the Livpure PEP Star Water Purifier.

2. PRODUCT FEATURES

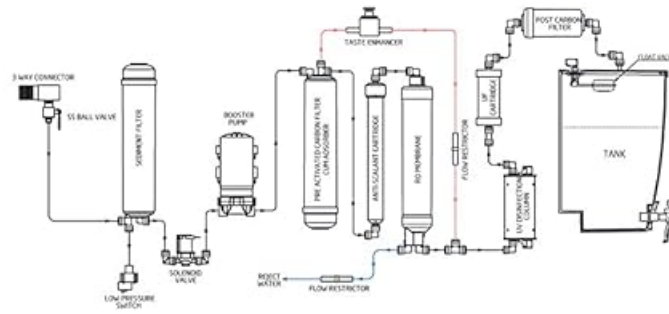
The Livpure PEP Star Water Purifier incorporates a 7-stage advanced purification system to effectively remove impurities and enhance water quality. Key features include:

- **RO + UV + UF + Taste Enhancer Technology:** Ensures multi-layered purification and improved water taste.
- **7 Litres Storage Capacity:** Provides an effective storage capacity for purified water.
- **High Purification Capacity:** Capable of purifying up to 12 liters per hour.
- **Suitable for High TDS Water:** Works effectively up to 1500 TDS (Total Dissolved Solids) level.
- **Indicators:** Features indicators for Power On, Tank Full, Purification Process, UV Fail Buzzer, and UV Failure Alarm.

2.1. 7 Stages of Purification

1. **Sediment Filter:** Removes fine and small impurities from water.
2. **Pre Activated Carbon Filter cum Adsorber:** Eliminates bad color, taste, odor, chlorine, and other organic substances like pesticides.
3. **Antiscalant Cartridge:** Prevents scale accumulation on the RO membrane caused by water salts.
4. **Reverse Osmosis (RO) Membrane:** Removes deadly chemicals such as pesticides, THMs, herbicides, heavy metals, salts, bacteria, viruses, and protozoa.
5. **Ultra Violet (UV) Disinfection Column:** Decontaminates water from microbiological threats like protozoa, viruses, and bacteria.
6. **Ultra Filtration Cartridge:** Effectively removes bacteria, giardia, cysts, and suspended impurities.
7. **Post Carbon Filter:** Further polishes the water, removing any remaining organic impurities and enhancing taste.

Flow Diagram



Stages of Purification

1st STAGE

Sediment Filter
Sediment Filter removes fine and coarse particulate impurities from water.

2nd STAGE

Pre Activated Carbon Filter cum Adsorber
It adsorbs chlorine and organic impurities such as harmful pesticides from water. It also adsorbs bad taste, color and odour causing organic compounds from water.

3rd STAGE

Antiscalant Cartridge
The Antiscalant Cartridge chelates scale causing salts in water to prevent scaling on membrane layers. It results in improved purification capacity and increased life of membrane.

4th STAGE

Reverse Osmosis (RO) Membrane
The water is passed through RO membrane at high pressure. RO Membrane removes hazardous chemicals such as pesticides, herbicides, THMs, heavy metals, hardness & other salts from water. It also removes bacteria, virus, protozoa and protects you from microbiological threats.

5th STAGE

Ultra Violet (UV) Disinfection Column
Ultraviolet radiation disinfects the water from water borne disease causing bacteria, virus and protozoa, thereby making it microbiologically safe to drink.

6th STAGE

Ultra Filtration Cartridge
Effectively removes Bacteria, Giardia, Cysts etc. from water. It also improves the clarity of water by removing fine suspended impurities.



Figure 2: Detailed diagram of the 7-stage purification process.

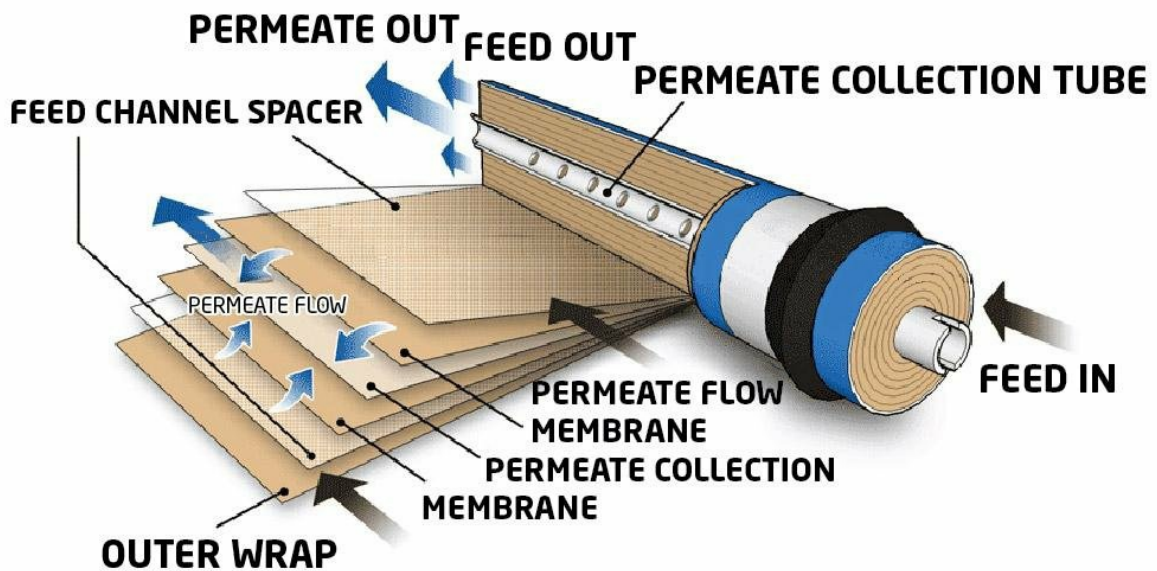


Figure 3: Visual representation of key product features and benefits.

3. SETUP AND INSTALLATION

The Livpure PEP Star Water Purifier is designed for easy wall-mounting in your kitchen. For optimal performance and to ensure proper setup, professional installation by the manufacturer is recommended.

3.1. Installation Request

To request installation or a product demonstration after delivery, please contact Livpure customer support directly. You will need to provide the product's model name (PEP STAR 7 L RO + UV + UF + TDS) to facilitate the service request.

3.2. Placement Considerations

- Ensure the purifier is mounted on a sturdy wall near a water source and an electrical outlet.
- Allow adequate space around the unit for ventilation and future maintenance.
- Avoid direct sunlight or extreme temperatures.



Figure 4: Side profile of the water purifier, illustrating its sleek design for wall installation.

4. OPERATING INSTRUCTIONS

Once installed, operating your Livpure PEP Star Water Purifier is straightforward. The unit is designed for automatic operation.

4.1. Initial Use

1. Ensure the water supply valve is open and the purifier is connected to a power source.
2. The purifier will automatically begin the purification process. The 'Purification Process' indicator will illuminate.
3. Allow the storage tank to fill completely. The 'Tank Full' indicator will light up when the tank is full.
4. For the first few cycles, it is recommended to drain the first two tanks of purified water to flush out any residual manufacturing impurities from the filters.

4.2. Dispensing Water

To dispense purified water, simply open the tap located on the front of the unit. Close the tap once you have collected the desired amount of water.

4.3. Indicators

Monitor the indicators on the front panel for the status of the purifier:

- **Power On:** Indicates the unit is receiving power.
- **Purification Process:** Illuminates when water purification is active.
- **Tank Full:** Indicates the purified water storage tank is full.
- **UV Fail Buzzer/Alarm:** Alerts if the UV lamp is not functioning correctly, indicating a potential issue with UV disinfection.

4.4. Taste Enhancer

The integrated Taste Enhancer helps improve the palatability of the purified water. If available, adjust the taste enhancer knob (if present) to your preference. Refer to the installation technician for guidance on initial adjustment.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and efficient operation of your Livpure PEP Star Water Purifier. Adhere to the recommended service schedule.

5.1. Filter Replacement

The various filters and membranes (Sediment Filter, Carbon Filter, RO Membrane, UF Membrane, UV Lamp, Post Carbon Filter) have a limited lifespan and require periodic replacement. The frequency depends on the quality of your input water and usage volume. It is recommended to schedule regular service checks with Livpure customer support to ensure timely replacement of filters.

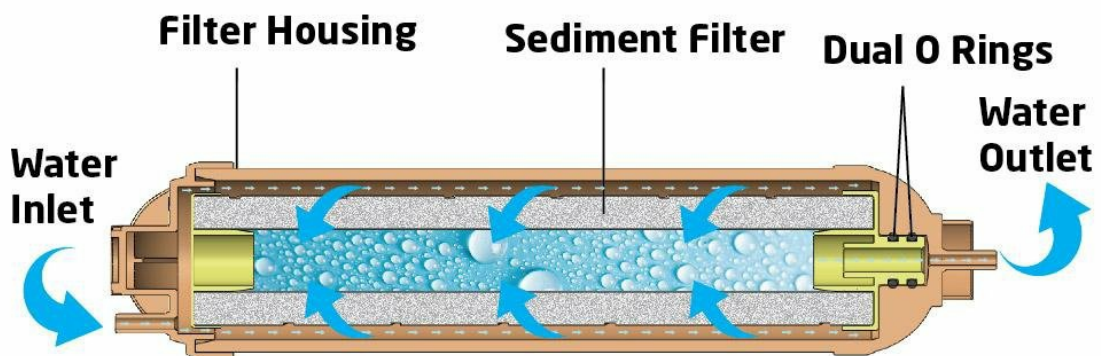


Figure 5: Illustration of the Sediment Filter's function.

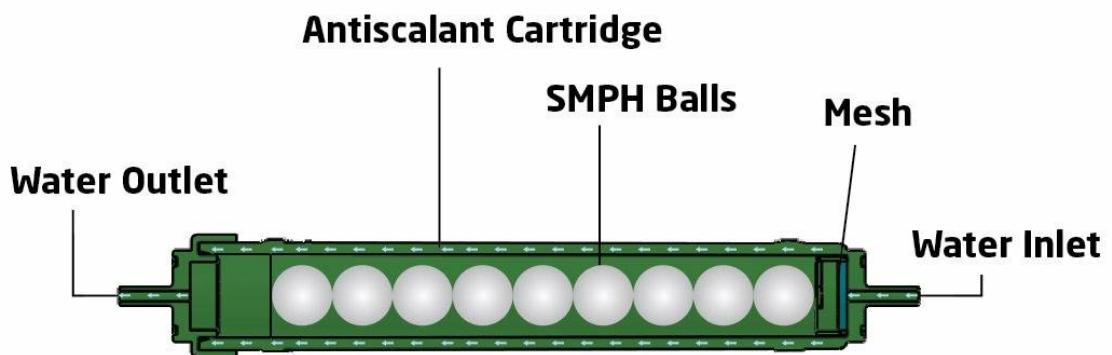


Figure 6: Internal view of the Antiscalant Cartridge.



Figure 7: How the Reverse Osmosis membrane functions.

5.2. Cleaning the Exterior

Wipe the exterior of the purifier with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

5.3. Tank Cleaning

The internal storage tank should be cleaned periodically by a qualified service technician during scheduled maintenance visits.

6. TROUBLESHOOTING

If you encounter any issues with your Livpure PEP Star Water Purifier, refer to the following common troubleshooting steps. For complex problems, always contact customer support.

Problem	Possible Cause	Solution
No power/Unit not turning on	Power cord unplugged, power outage, faulty adapter.	Check power connection. Ensure power outlet is functional. If issue persists, contact customer support.
No water dispensing / Slow water flow	Water supply off, tank empty, clogged filters, low water pressure.	Check water supply. Wait for tank to fill. If flow remains slow, filters may need replacement. Contact customer support.
UV Fail Alarm/Buzzer	UV lamp malfunction or failure.	Contact customer support for UV lamp inspection and replacement.
Unusual taste or odor in purified water	Filters nearing end of life, post-carbon filter issue.	Schedule filter replacement with customer support.
Excessive water wastage (reject water)	RO membrane issue, flow restrictor problem.	This indicates a potential issue with the RO system. Contact customer support for diagnosis.

Important: Do not attempt to open or repair the unit yourself. This may void your warranty and could lead to electric shock or damage to the purifier.

7. SPECIFICATIONS

Feature	Specification
Brand	Livpure
Model Name	RO+UV+UF+TDS
Model Number	PEP STAR 7 L RO + UV + UF + TDS
Purification Method	RO+UV+UF+TE
Special Feature	UV+RO+UF+Taste Enhancer
Capacity	7 litres
Maximum Flow Rate	12 Liters Per Hour
Supported Water TDS Level Maximum	1500 PPM
Installation Type	Wall Mount (Under Sink also possible but wall mount is primary)
Material	Plastic
Item Weight	9.22 Kilograms
Power Source Type	Corded Electric

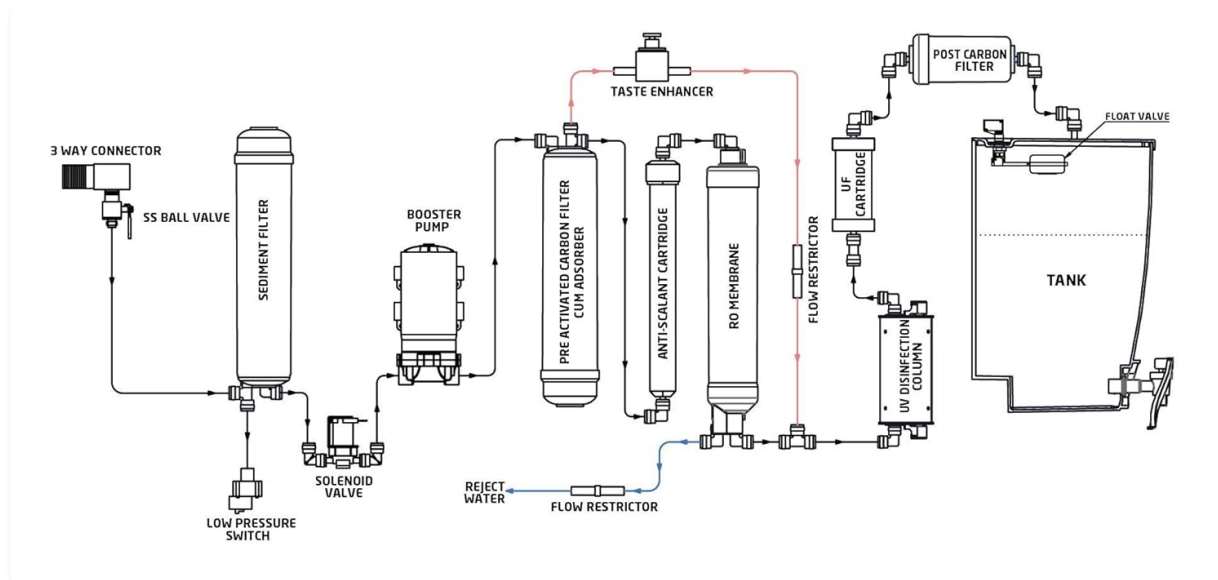


Figure 8: Internal component layout and water flow path.

8. WARRANTY AND SUPPORT

8.1. Warranty Information

The Livpure PEP Star Water Purifier comes with a standard **1-year warranty** from the date of purchase. This warranty covers most components of the product, excluding consumables like filters and the tap.

Additionally, **two free services** are provided during the first year of ownership.

Please retain your purchase invoice for warranty claims.

8.2. Customer Support

For any queries, installation requests, service appointments, or technical assistance, please contact Livpure customer care. Livpure offers **365 days customer care support** to assist you with your product needs.

When contacting support, please have your product's model name (PEP STAR 7 L RO + UV + UF + TDS) and purchase details readily available.